



# Safety Data Sheet

Material Name: Copper Carbonate

## \*\*\* Section 1 - Product and Company Identification \*\*\*

### Manufacturer Information

Unicat Catalyst Technologies, Inc.  
5918 South Highway 35  
Alvin, TX 77511

Phone: 281-331-2231

Product: TSR-122E

## \*\*\* Section 2 - Hazards Identification \*\*\*

### GHS Classification:

Acute Toxicity - Oral Category 4  
Acute Toxicity - Dermal Category 4  
Acute Toxicity - Inhalation Category 4  
Skin Corrosion/Irritation - Category 2  
Eye Damage/Irritation - Category 2B  
Specific Target Organ Toxicity - Single Exposure Category 3

### GHS LABEL ELEMENTS

#### Symbol(s)



#### Signal Word

Warning

#### Hazard Statements

Harmful if swallowed, in contact with skin or inhaled.  
Causes skin and eye irritation.  
May cause respiratory irritation.

#### Precautionary Statements

##### Prevention

Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Avoid breathing dusts/vapors/mists.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not eat, drink or smoke when using this product.

#### Response

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If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

### Storage

Store in a well-ventilated place. Keep container tightly closed.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
1184-64-1	Copper Carbonate	>80
1344-28-1	Aluminum oxide	>10

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

In case of eye contact, immediately flush eyes with plenty of water, while holding eyelids open. GET MEDICAL ATTENTION IF PROBLEMS PERSIST.

### First Aid: Skin

Wash contact areas with water. GET MEDICAL ATTENTION IF PROBLEMS PERSIST. Wash clothing before reuse.

### First Aid: Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IF DISCOMFORT DEVELOPS.

### First Aid: Inhalation

Remove victim to fresh air. GET MEDICAL ATTENTION IF PROBLEMS PERSIST.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

Non-flammable.

### Hazardous Combustion Products

Not Determined.

### Extinguishing Media

All extinguishing media allowed.

### Unsuitable Extinguishing Media

None

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

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## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Recovery and Neutralization

Stop the flow of material, if this is without risk.

### Materials and Methods for Clean-Up

Sweep spilled substance into labeled containers; if appropriate, moisten first to prevent dusting. Wash away remainder with plenty of water. May not be reclaimed. Dispose of in accordance with applicable federal, state and local regulations.

### Emergency Measures

Isolate area. Keep unnecessary personnel away.

### Personal Precautions and Protective Equipment

Wear appropriate protective equipment and clothing during clean-up.

### Environmental Precautions

None.

### Prevention of Secondary Hazards

None.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink or smoke in work area. Wash thoroughly after handling. Avoid dust or mist formation.

### Storage Procedures

Protect against physical damage. Store in a cool, dry well-ventilated location. Product may be damaged by water.

### Incompatibilities

None.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

#### Aluminum oxide (1344-28-1)

OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)

### Engineering Measures

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits.

### Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

### Personal Protective Equipment: Hands

Wear protective gloves to prevent skin contact.

### Personal Protective Equipment: Eyes

Use chemical safety goggles and/or a full face shield to prevent possible contact.

### Personal Protective Equipment: Skin and Body

Normal work clothing (long sleeved shirts and long pants) is recommended.

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## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Bluish green lobes.	<b>Odor:</b>	None
<b>Physical State:</b>	Solid	<b>pH:</b>	NA
<b>Vapor Pressure:</b>	NA	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	ND	<b>Melting Point:</b>	Above 2000°C / 3450°F
<b>Solubility (H2O):</b>	Negligible	<b>Specific Gravity:</b>	NA
<b>Evaporation Rate:</b>	NA	<b>VOC:</b>	ND
<b>Octanol/H2O Coeff.:</b>	ND	<b>Flash Point:</b>	ND
<b>Flash Point Method:</b>	NA	<b>Upper Flammability Limit (UFL):</b>	NA
<b>Lower Flammability Limit (LFL):</b>	NA	<b>Burning Rate:</b>	NA
<b>Auto Ignition:</b>	NA		

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Hazardous Reaction Potential

Will not occur.

### Conditions to Avoid

None known.

### Incompatible Products

None.

### Hazardous Decomposition Products

Not Determined.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Toxicity

#### Component Analysis - LD50/LC50

Aluminum oxide (1344-28-1)

Oral LD50 Rat >5000 mg/kg

#### Potential Health Effects: Skin Corrosion Property/Stimulativeness

Prolonged exposure may cause skin irritation. Dust and mist from solutions can cause skin irritant dermatitis.

#### Potential Health Effects: Eye Critical Damage/ Stimulativeness

May cause eye irritation, stinging, watering, redness, eye damage, corneal damage or blindness.

#### Potential Health Effects: Ingestion

May cause irritation to the mouth, esophagus, stomach and other tissues with which contact is made.

#### Potential Health Effects: Inhalation

Repeated overexposures to dusts may cause irritation to the respiratory tract. Dusts and mists may irritate: nose, mouth, throat, respiratory tract. Dusts and mists may cause damage to the upper respiratory tract, chronic lung disease, or damage to the gastrointestinal tract.

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## **Respiratory Organs Sensitization/Skin Sensitization**

This product is not reported to have any sensitization effects.

## **Generative Cell Mutagenicity**

This product is not reported to have any mutagenic effects.

## **Carcinogenicity**

### **A: General Product Information**

This product is not reported to have any carcinogenic effects.

### **B: Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

## **Reproductive Toxicity**

This product is not reported to have any reproductive effects.

## **Specified Target Organ General Toxicity: Single Exposure**

May cause irritation to the respiratory tract.

## **Specified Target Organ General Toxicity: Repeated Exposure**

This product is not reported to have any repeat exposure specific target organ toxicity effects.

## **Aspiration Respiratory Organs Hazard**

This product is not reported to have any aspiration hazard effects.

## **\*\*\* Section 12 - Ecological Information \*\*\***

### **Ecotoxicity**

#### **A: General Product Information**

This product is not reported to have any ecotoxicity effects.

#### **B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

No ecotoxicity data are available for this product's components.

### **Persistence/Degradability**

No information available for the product.

### **Bioaccumulation**

No information available for the product.

### **Mobility in Soil**

No information available for the product.

## **\*\*\* Section 13 - Disposal Considerations \*\*\***

### **Waste Disposal Instructions**

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### **Disposal of Contaminated Containers or Packaging**

Dispose of contents/container in accordance with local/regional/national/international regulations.

## **\*\*\* Section 14 - Transportation Information \*\*\***

### **DOT Information**

**Shipping Name:** Not Regulated

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## \*\*\* Section 15 - Regulatory Information \*\*\*

### Regulatory Information

#### US Federal Regulations

#### Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

#### Aluminum oxide (1344-28-1)

SARA 313: 1.0 % de minimis concentration (fibrous forms)

#### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Aluminum oxide	1344-28-1	Yes	Yes	Yes	Yes	Yes	No

#### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Aluminum oxide	1344-28-1	1 %

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## Additional Regulatory Information

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Copper Carbonate	1184-64-1	Yes	DSL	EINECS
Aluminum oxide	1344-28-1	Yes	DSL	EINECS

## \* \* \* Section 16 - Other Information \* \* \*

Hazardous Material Information System (HMIS):	Health	2
	Flammability	0
	Reactivity	0
	Personal Protection	B

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

### Literature References

None

End of Sheet